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PATENT & TRADEMARK (To be used for all correspondence after initial filing)

Total Number of Pages in this Submission: 85

Application No. 09/510,905
Filing Date February 23, 2000
First Named Inventor John Thodiyil
Group Art Unit
Examiner Name Unassigned
Attorney Docket No. SUN-P3992-JTF

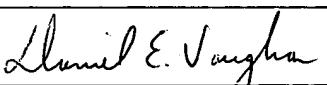
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ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee attached	<input type="checkbox"/> Assignment Papers for an application	<input type="checkbox"/> After-Allowance Communication to Group
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> <input type="checkbox"/> Affidavit/Declaration(s)	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement	<input checked="" type="checkbox"/> Power of Attorney by Assignee, with Revocation of Former Powers	<input checked="" type="checkbox"/> Additional Enclosure(s):
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Response to Missing Parts Notice/Incomplete Application	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Check for \$ _____
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	<input checked="" type="checkbox"/> Copy of Assignment document
	<input type="checkbox"/> Request for Refund	

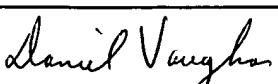
Remarks:

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Name	Daniel E. Vaughan (Registration No. 42,199)	Date	March 7, 2000
Signature		Telephone	650/329-1973
Address	399 Sherman Avenue, Suite 5, Palo Alto, CA 94306	Facsimile	650/329-1893

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U. S. Postal Service as Express Mail (No. EJ xxx yyy zzz US) or First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on: March 7, 2000

Type or Printed Name	Daniel E. Vaughan	Signature	
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PATENT APPLICATION
Attorney Docket No. SUN-P3992-JTF

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
)
 Thodiyil.) Group Art Unit: *Unassigned*
)
 Application No.: 09/510,905) Examiner: *Unassigned*
)
 Filed: February 23, 2000)
)
 For: **METHOD AND APPARATUS FOR**)
 DYNAMIC CLASS-BASED)
 PACKET SCHEDULING)
)

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POWER OF ATTORNEY BY ASSIGNEE
TO EXCLUSION OF INVENTOR UNDER 37 C.F.R. § 3.71
WITH REVOCATION OF PRIOR POWERS

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned ASSIGNEE of the entire interest in the above-identified application for letters patent hereby appoints Kenneth Olsen, Registration No. 26,493, Timothy J. Crean, Registration No. 37,116, Robert S. Hauser, Registration No. 37,847, Philip J. McKay, Registration No. 38,966, Joseph T. Fitzgerald, Registration No. 33,881, Alexander E. Silverman, Registration No. 37,940, Christine S. Lam, Registration No. 37,489, Anirma Rakshpal Gupta, Registration No. 38,275, Bernice B. Chen, Registration No. 42,403, Sean Lewis, Registration No. 42,798, Michael J. Schallop, Registration No. 44,319, Kenta Suzue, Registration No. 45,145 and Noreen Krall, Registration No. 39,734 of SUN MICROSYSTEMS, INC., and A. Richard Park, Registration No. 41,241 and Daniel E. Vaughan, Registration No. 42,199 of PARK & VAUGHAN LLP, to prosecute this application and transact all business in the United States and Trademark Office in connection therewith and hereby revokes all prior powers of attorney; said appointment to be to the exclusion of the inventors and the inventors' attorneys in accordance with the provisions of 37 C.F.R. § 3.71.

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The following evidentiary documents establish a chain of title from the original owner to the

Assignee:

a copy of an Assignment attached hereto, which Assignment has been (or is herewith) forwarded to the Patent and Trademark Office for recording; or

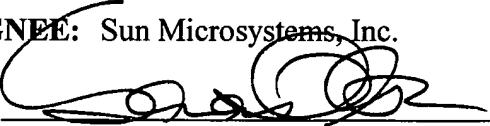
the Assignment recorded on _____ at reel _____, frames _____ - _____.

Pursuant to 37 C.F.R. § 3.73(b) the undersigned Assignee hereby states that evidentiary documents have been reviewed and hereby certifies that, to the best of ASSIGNEE's knowledge and belief, title is in the identified ASSIGNEE.

Direct all telephone calls and correspondence to:

Daniel Vaughan
Park & Vaughan LLP
399 Sherman Avenue
Suite 5
Palo Alto, CA 94306
(650) 329-1973

ASSIGNEE: Sun Microsystems, Inc.

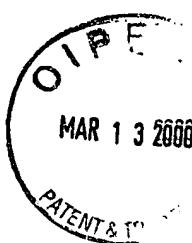
Name: 

(Signature)

Name: Kenneth Olsen

Title: Vice President, Intellectual Property

Date: February 28, 2000



Attorney Docket No.: SUN-P3992-JTF

SOLE TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned, John A. Thodiyil, (hereinafter termed "Inventor"), having a residence at 1220 N. Fair Oaks Avenue, #4212, City of Sunnyvale, State of California has invented certain new and useful improvements in:

METHOD AND APPARATUS FOR DYNAMIC CLASS-BASED PACKET SCHEDULING

and has executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

X On the 31st day of January, 2000;

Or

 Said application having Application Number , and filed on the day of .

WHEREAS Sun Microsystems, Inc. a corporation of the State of Delaware, having a place of business at 901 San Antonio Road, Palo Alto, CA 94303 (hereinafter termed "Assignee"), wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

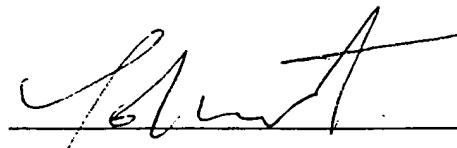
2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, and his or her heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that the inventor has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee on the date given below.

Date: 01/31/2000

Signed: 

Name: John A. Thodiyil